

DUX-105 4K down converter unit

DUX-106 4K up converter unit



OVERVIEW

These units are 4K down converter and 4K up converter units to mount on DUX chassis.

The DUX chassis is available from three kinds of follows by user use.

DUX chassis

○FRX2F 2U full chassis	Maximum mount	10units
○FRX1F 1U full chassis	Maximum mount	3units
○FRX1H 1U half chassis	Maximum mount	1unit



DUX-105 4K down converter unit

- 3840 × 2160 → 1920 × 1080, 4096 × 2160 → 1920 × 1080 down conversion, 4 outputs
- 3840 × 2160 → 3840 × 2160, 4096 × 2160 → 4096 × 2160 data structure conversion
(Square division ↔ 2-Sample interleave division, Level A ↔ Level B)

DUX-106 4K up converter unit

- 1920 × 1080 → 3840 × 2160 up conversion
- 1920 × 1080 → 1920 × 1080 4 distribution outputs

FEATURES

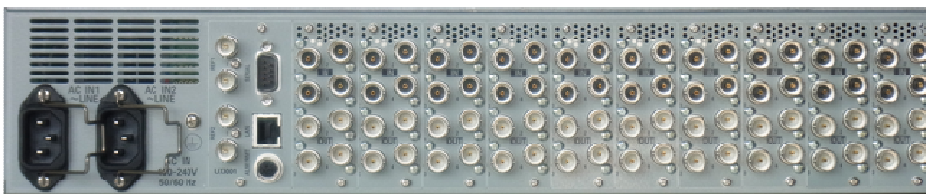
- Video frame rate 59.94Hz, 50Hz, 29.97Hz, 23.98Hz
- 4K 3G-SDI × 4, Square/2-Sample interleave division, Level A/B, 4:2:2 10bit
- Converted video quality parameter adjustable
- Video enhancer, Video level adjustable
- Rec. ITU-R BT.709/BT.2020 color space conversion
- Delay time between input and output is FAST/SLOW mode selectable
(FAST mode is the shortest delay time)
- GENLOCK within external 525BB/525BB(10 field ID)/Tri-sync 2 inputs
- Output phase adjustable for external reference input
- LTC/VITC ATC-Timecode supports
- 16 channel Embedded audio supports
- 2U full chassis and 1U full chassis supports redundant power supply (Hot swapping)
- DUX-105 and DUX-106 can do mix mount (Hot swapping)
- Remote control by Web-CGI is possible
- Alarm output, SNMP supports

SPECIFICATIONS

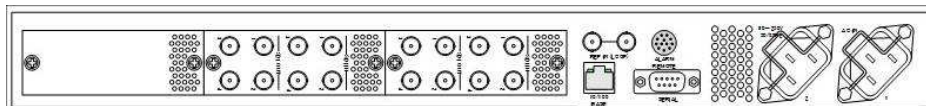
DUX-105 4K→HDTV down converter	
Input	3G-SDI (1.5G-SDI) × 4 1 input BNC 75 Ω
Output	1.5G-SDI 4 output BNC 75 Ω
Input format	3840/4096 × 2160 59.94p/50p/29.97p/23.98p
Output format	1920 × 1080 59.94i/50i/29.97p (PsF) /23.98p (PsF)
Sampling structure	Square/2-Sample interleave division, LevelA/B, 4:2:2 10bit
DUX-106 HDTV→4K up converter	
Input	1.5G-SDI 1 input BNC 75 Ω
Output	3G-SDI (1.5G-SDI) × 4 1 output BNC 75 Ω
Input format	1920 × 1080 59.94i/50i/29.97p (PsF) /23.98p (PsF)
Output format	3840 × 2160 59.94p/50p/29.97p/23.98p
Sampling structure	Square/2-Sample interleave division, LevelA/B, 4:2:2 10bit
Common specifications	
Video quality parameter	Converted video quality parameter adjustable
Reference input	525BB/525BB (10 field ID) /Tri-sync 2 input BNC 75 Ω loop through
Timecode	ATC-timecode (LTC/VITC)
Embedded Audio	16 channel (with mapping)
Color space	Rec. ITU-R BT709/BT2020 color space conversion
at 2U full chassis	
Structure	2U console
Size	430mm(W) × 88mm(H) × 400mm(D)
Constitution	FRX2F 2U full chassis × 1 (redundant power supply)
	UXC001 control module × 1
	down converter and up converter common use slot × 10
Power supply	AC100V~240V ± 10% (50Hz/60Hz)
Power consumption	Max. 350VA
Temperature environment	5°C~40°C

<Rear view image>

OFRX2F 2U full chassis DUX-105 or DUX-106 maximum mount 10 units



OFRX1F 1U full chassis DUX-105 or DUX-106 maximum mount 3 units



OFRX1H 1U half chassis DUX-105 or DUX-106 mount 1 unit

